

Title (en)
SENSING DEVICE FOR A CRANE

Title (de)
ERFASSUNGSVORRICHTUNG FÜR EINEN KRAN

Title (fr)
DISPOSITIF DE DÉTECTION POUR GRUE

Publication
EP 3787993 A4 20220316 (EN)

Application
EP 19795768 A 20190501

Priority
• AU 2018901520 A 20180504
• AU 2019050395 W 20190501

Abstract (en)
[origin: WO2019210362A1] A sensing device for a crane for detecting unsafe operating conditions including an inertial measurement unit for measuring pitch and yaw of a hook of a crane attached to a load. The inertial measurement unit is adapted to measure deviation of the hook of the crane from a plumb position and activate an alert element if the deviation of the hook exceeds a predetermined limit.

IPC 8 full level
B66C 13/46 (2006.01); **B66C 1/40** (2006.01); **B66C 15/06** (2006.01)

CPC (source: AU EP US)
B66C 1/40 (2013.01 - AU EP US); **B66C 13/46** (2013.01 - EP US); **B66C 15/065** (2013.01 - AU EP US); **B66C 23/905** (2013.01 - AU); **B66C 23/38** (2013.01 - AU); **B66C 23/701** (2013.01 - AU); **B66C 23/828** (2013.01 - AU); **B66C 2700/08** (2013.01 - AU)

Citation (search report)
• [A] CN 102923572 B 20150826
• [A] US 8620610 B2 20131231 - BAGESHWAR VIBHOR L [US], et al
• See also references of WO 2019210362A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2019210362 A1 20191107; AU 2019262091 A1 20201203; AU 2019262091 B2 20201210; CN 112074482 A 20201211; CN 112074482 B 20230428; EP 3787993 A1 20210310; EP 3787993 A4 20220316; US 11897733 B2 20240213; US 2021371250 A1 20211202

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